

Serial No.: 10/735,777
Examiner: Seungsook Ham

In the claims:

Please amend the claims as follows:

1. (Currently amended) A compact resonator filter assembly, comprising:
a first triple-mode mono-block resonator formed of a first dielectric block having a conductive layer formed thereon;
a second triple-mode mono-block resonator formed of a second dielectric block having a conductive layer formed thereon; and
at least one metallic coaxial block resonator formed within a metal housing and coupled to at least one of said first-triple-mode mono-block resonators by an aperture formed in the housing and coupled to an aperture formed in the conductive layer on the at least one of said triple-mode mono-block resonators and said second triple-mode mono-block resonator.

2. (Currently amended) The resonator filter assembly according to claim 1, wherein said at least one metallic coaxial block resonator is disposed between said first triple-mode mono-block resonator and said second triple-mode mono-block resonator.

3 - 4 (Canceled)

5. (Original) The resonator filter assembly according to claim 1, wherein said at least one metallic coaxial block resonator is coupled to only one of said ~~first-triple-mode mono-block resonators and said second triple-mode mono-block resonator.~~

6. (Currently amended) The resonator filter assembly according to claim 1, wherein said at least one metallic coaxial block resonator is coupled to at least one of said ~~first-triple-mode mono block resonators and said second triple-mode mono-block resonator~~ via an aperture.

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7. (Original) The resonator filter assembly according to claim 1, wherein said first triple-mode mono-block resonator and said second triple-mode mono-block resonator each comprises a metal plated dielectric block.

8. (Currently amended) The resonator filter assembly according to claim 1, wherein said at least one metallic coaxial block resonator comprises a first metallic coaxial resonator and a second metallic coaxial resonator.

9. (Canceled)

10. (Currently amended) The resonator filter assembly according to claim 8, wherein the first metallic coaxial resonator and the second metallic coaxial resonator are coupled to one another, and

wherein the first resonator and the second metallic coaxial resonators are disposed between said first triple-mode mono-block resonator and said second triple-mode mono-block resonator.

11. (Currently amended) The resonator filter assembly according to claim 8, wherein the first metallic coaxial resonator is coupled to said first triple-mode mono-block resonator and the second metallic coaxial resonator is coupled to said second triple-mode mono-block resonator, and wherein said first triple-mode mono-block resonator and said second triple-mode mono-block resonator are coupled to one another.

12 - 24 (Canceled)

25. (Currently amended) A radio frequency communication system comprising:
a base station; and

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a compact resonator filter assembly coupled to said base station, wherein the resonator filter assembly comprises:

a first triple-mode mono-block resonator formed of a first dielectric block having a conductive layer formed thereon;

a second triple-mode mono-block resonator formed of a second dielectric block having a conductive layer formed thereon; and

at least one metallic coaxial block resonator formed within a metal housing and coupled to at least one of said first-triple-mode mono-block resonators by an aperture formed in the housing and coupled to an aperture formed in the conductive layer on the at least one of said triple-mode mono-block resonators. ~~and said second-triple-mode mono-block resonator.~~

26. (Currently amended) The radio frequency communication system according to claim 25, wherein said at least one metallic coaxial block resonator is disposed between said first triple-mode mono-block resonator and said second triple-mode mono-block resonator.

27. (Canceled)

28. (Currently amended) The radio frequency communication system according to claim 25, wherein said at least one metallic coaxial block resonator is coupled to at least one of said ~~first-triple-mode mono block resonators and said second-triple-mode mono-block resonator~~ via an aperture.

29. (Currently amended) The radio frequency communication system according to claim 25, wherein said at least one metallic coaxial block resonator comprises a first metallic coaxial resonator and a second metallic coaxial resonator.